NOTE XXXIV.

ON TWO NEW EXOTIC SPECIES OF FOSSORIAL HYMENOPTERA.

BY

C. RITSEMA Cz.

1. *Psen Sumatranus*, sp. n. ♀.

Length 10 mm.; alar expanse 15 mm. — The head black, shining and impunctate, thinly covered with whitish hairs, more densely covered with silvery hairs on the clypeus; a sharp carina between the antennae; the scape of the antennae, the palpi and the mandibles yellowish, the latter with brown tips; the flagellum of the antennae black above, pale ferrugineous beneath.

The thorax black, covered with rather long erect whitish hairs; the mesothorax shining and nearly impunctate; the metathorax clathrate-rugose, with a deep longitudinal furrow across the middle, and at both sides of this furrow, a little behind the postscutellum, a very glossy and impunctate space. The tegulae pale ferrugineous, and a small spot before the base of the wings pale yellow. The wings hyaline and beautifully iridescent; the stigma and nervures dark brown. The second submarginal cell does not receive the first recurrent nervure, this nervure joining the cubital one a little before the apex of the first submarginal cell. The legs thinly covered with erect hairs; the anterior and intermediate pair pale yellow, with exception of the coxae and femora which are dark brown; the posterior legs dark brown, with the trochanters and the base of the tibiae as well as the apical spines pale yellow.

The abdomen shining, nearly impunctate and slightly pubescent; red, with the base of the first segment pale yellow, the middle pitchy; the extreme apex of the last ventral segment dark brown. The first segment is swollen at the apex, curved downwards and about as long as the following segments together.

A single female from West-Sumatra (van Lansberge).

2. *Chalybion curvatum*, sp. n., ♂ and ♀.

Most nearly allied to *Chalybion Bengalense* Dahlb., but at once to be distinguished from that species by the petiole of the abdomen which is strongly curved upwards.

Length 16—18 mm.; alar expanse 25—29 mm. — The whole insect, except the opaque black flagellum of the antennae, of a dark blue color with a purplish hue in certain lights, especially on the metathorax and abdomen. The head, thorax, petiole of the abdomen, coxae and under surface of the trochanters and femora covered with erect long whitish hairs; no spot of dense silvery pubescence on the apex of the metathorax above the coxae of the posterior legs.

The face densely punctured; the vertex and cheeks sparingly punctured and therefore shining; the pronotum, scutellum and postscutellum rather sparingly, the mesonotum more densely punctured; the disk of the metathorax finely, the inclined portion more coarsely transverse-rugose, intermixed with punctures. The sides of the thorax irregularly covered with deep punctures. The tegulae smooth and shining, impunctate; the wings fuscous, less dark towards the base, with a purple iridescence. The petiole of the abdomen strongly curved upwards.

Two males and two females from Japan (von Siebold).

Leyden Museum, August 1880.